

	Typ	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BR S	34 09 5	lapping or lapped or lapper or lap	USPAT	2001/03/29 18:28			0
2	BR S	79 51 4	polish\$	USPAT	2001/03/29 18:28			0
3	BR S	99 75 9	grind\$	USPAT	2001/03/29 18:28			0
4	BR S	27 1	438/113,114,462/.ccls.	USPAT	2001/03/29 19:05			0
5	BR S	27	438/457.ccls.	USPAT	2001/03/29 18:56			0
6	BR S	53 69	((lapping or lapped or lapper or lap) and polish\$	USPAT	2001/03/29 18:56			0
7	BR S	4	438/457.ccls. and ((lapping or lapped or lapper or lap) and polish\$)	USPAT	2001/03/29 19:00			0
8	BR S	19 25 44	((lapping or lapped or lapper or lap) or polish\$ or grind\$	USPAT	2001/03/29 19:01			0
9	BR S	11	((438/457.ccls. and ((lapping or lapped or lapper or lap) or polish\$ or grind\$)) not (438/457.ccls. and ((lapping or lapped or lapper or lap) and polish\$))	USPAT	2001/03/29 19:01			0
10	BR S	12	438/457.ccls. not (((438/457.ccls. and ((lapping or lapped or lapper or lap) or polish\$ or grind\$)) not (438/457.ccls. and ((lapping or lapped or lapper or lap) and polish\$))) or (438/457.ccls. and ((lapping or lapped or lapper or lap) and polish\$)))	USPAT	2001/03/29 19:05			0
11	BR S	73	((438/113,114,462/.ccls. and ((lapping or lapped or lapper or lap) or polish\$ or grind\$)) not 438/457.ccls.	USPAT	2001/03/29 19:06			0
12	BR S	19	2507956.PN. OR 2796370.PN. OR 2851385.PN. OR 3644801.PN. OR 4383886.PN. OR 4794092.PN. OR 4862249.PN. OR 4900695.PN. OR 4933898.PN. OR 4971930.PN. OR 4984358.PN. OR 5104820.PN. OR 5126286.PN. OR 5147815.PN. OR 5185295.PN. OR 5266833.PN. OR 5292686.PN. OR 5376235.PN. OR 5455455.PN.	USPAT	2001/03/29 19:07			0
13	BR S	7	4904610.PN. OR 5393706.PN. OR 5445559.PN. OR 5516728.PN. OR 5527744.PN. OR 5605489.PN. OR 5888883.PN.	USPAT	2001/03/29 19:16			0
14	BR S	7	4904610.PN. OR 5393706.PN. OR 5445559.PN. OR 5516728.PN. OR 5527744.PN. OR 5605489.PN. OR 5888883.PN.	USPAT	2001/03/29 19:17			0
15	BR S	8	4722130.PN. OR 4904610.PN. OR 4978639.PN. OR 5071792.PN. OR 5091331.PN. OR 5130276.PN. OR 5185292.PN. OR 5480842.PN.	USPAT	2001/03/29 19:18			0
16	BR S	4	4188709.PN. OR 4788161.PN. OR 5071792.PN. OR 5081063.PN.	USPAT	2001/03/29 19:19			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m e n t s	Er r o r D e f i n i t i o n	Er r o r s
17	BR S	8	4188709.PN. OR 4200794.PN. OR 4290064.PN. OR 4326332.PN. OR 4788158.PN. OR 4788161.PN. OR 4845052.PN. OR 4910154.PN.	USPAT	2001/03/29 19:19			0
18	BR S	14	3809050.PN. OR 3811182.PN. OR 3971170.PN. OR 3976288.PN. OR 3994101.PN. OR 4138304.PN. OR 4184292.PN. OR 4213698.PN. OR 4669226.PN. OR 5029418.PN. OR 5291692.PN. OR 5314844.PN. OR 5415581.PN. OR 5527744.PN.	USPAT	2001/03/29 19:23			0
19	BR S	9	3206088.PN. OR 3706129.PN. OR 4217689.PN. OR 4296542.PN. OR 4904610.PN. OR 5196378.PN. OR 5238876.PN. OR 5272114.PN. OR 5407865.PN.	USPAT	2001/03/29 19:25			0
20	BR S	9	3206088.PN. OR 3706129.PN. OR 4217689.PN. OR 4296542.PN. OR 4904610.PN. OR 5196378.PN. OR 5238876.PN. OR 5272114.PN. OR 5407865.PN.	USPAT	2001/03/30 16:33			0
21	BR S	9	3206088.PN. OR 3706129.PN. OR 4217689.PN. OR 4296542.PN. OR 4904610.PN. OR 5196378.PN. OR 5238876.PN. OR 5272114.PN. OR 5407865.PN.	USPAT	2001/03/30 16:36			0
22	BR S	15	5527744.URPN.	USPAT	2001/03/30 16:37			0
23	BR S	14	4033027.PN. OR 4729971.PN. OR 5061049.PN. OR 5079544.PN. OR 5105369.PN. OR 5179035.PN. OR 5185295.PN. OR 5278652.PN. OR 5389182.PN. OR 5393706.PN. OR 5435876.PN. OR 5445559.PN. OR 5527744.PN. OR 5597767.PN.	USPAT	2001/04/02 18:48			0
24	BR S	14 39	optically adj flat	USPAT	2001/04/03 16:08			0
25	BR S	20 08 2	dice\$1 or dicing or scribe\$1 or scribing	USPAT	2001/04/03 16:09			0
26	BR S	89	(optically adj flat) and (dice\$1 or dicing or scribe\$1 or scribing)	USPAT	2001/04/03 18:26			0
27	IS & R	1	("6083811").PN.	USPAT	2001/04/03 19:20			0
28	BR S	23	3559282.PN. OR 3924323.PN. OR 5071792.PN. OR 5081061.PN. OR 5219796.PN. OR 5266528.PN. OR 5268065.PN. OR 5273940.PN. OR 5275958.PN. OR 5302554.PN. OR 5314844.PN. OR 5324687.PN. OR 5352249.PN. OR 5362681.PN. OR 5369060.PN. OR 5457072.PN. OR 5478782.PN. OR 5500389.PN. OR 5527744.PN. OR 5552345.PN. OR 5597767.PN. OR 5804495.PN. OR 5888883.PN.	USPAT	2001/04/03 18:53			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m e n t s	Er r o r D e f i n i t i o n	Er r o r s
29	BR S	23	3559282.PN. OR 3924323.PN. OR 5071792.PN. OR 5081061.PN. OR 5219796.PN. OR 5266528.PN. OR 5268065.PN. OR 5273940.PN. OR 5275958.PN. OR 5302554.PN. OR 5314844.PN. OR 5324687.PN. OR 5352249.PN. OR 5362681.PN. OR 5369060.PN. OR 5457072.PN. OR 5478782.PN. OR 5500389.PN. OR 5527744.PN. OR 5552345.PN. OR 5597767.PN. OR 5804495.PN. OR 5888883.PN.	USPAT	2001/04/03 19:10			0
30	BR S	24 71 4	adhesive! adj tape	USPAT	2001/04/03 19:21			0
31	BR S	76 34 8	encapsulat\$	USPAT	2001/04/03 19:22			0
32	BR S	7	(adhesive! adj tape) and (grind\$ near5 lap\$ near5 polish\$) and encapsulat\$	USPAT	2001/04/04 10:08			0
33	BR S	78 10 8	wafer	USPAT	2001/04/03 19:28			0
34	BR S	18	(adhesive! adj tape) and (grind\$ near5 lap\$ near5 polish\$)	USPAT	2001/04/03 19:30			0
35	BR S	11	wafer and ((adhesive! adj tape) and (grind\$ near5 lap\$ near5 polish\$))	USPAT	2001/04/03 19:31			0
36	BR S	4	(wafer and ((adhesive! adj tape) and (grind\$ near5 lap\$ near5 polish\$))) not ((adhesive! adj tape) and (grind\$ near5 lap\$ near5 polish\$) and encapsulat\$)	USPAT	2001/04/04 16:47			0
37	BR S	14	4023260.PN. OR 4722130.PN. OR 4904610.PN. OR 4978639.PN. OR 5071792.PN. OR 5072280.PN. OR 5091331.PN. OR 5130276.PN. OR 5185292.PN. OR 5453405.PN. OR 5480842.PN. OR 5597766.PN. OR 5714405.PN. OR 5927993.PN.	USPAT	2001/04/03 19:38			0
38	BR S	50	backgrind\$	USPAT	2001/04/04 16:48			0
39	BR S	41	backgrind\$ and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/04 17:43			0
40	BR S	12	("4104099" "4138304" "4316757" "4466852" "4718967" "4720317" "4839206" "4891334" "4946716" "5113622" "5171398" "5273615").PN.	USPAT	2001/04/04 17:06			0
41	IS & R	1	("5394010").PN.	USPAT	2001/04/04 17:43			0
42	BR S	2	("4873615" "4956694").PN.	USPAT	2001/04/04 17:43			0
43	BR S	22	5394010.URPN.	USPAT	2001/04/04 17:44			0

	Typ	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
44	BR S	9	("3040489" "3488835" "3633269" "3636618" "3727282" "4321747" "4445956" "4451972" "4519168" "3040489" "3488835" "3633269" "3636618" "3727282" "4321747" "4445956" "4451972" "4519168").PN.	USPAT	2001/04/05 19:45			0
45	BR S	12	4722130.URPN.	USPAT	2001/04/05 19:48			0
46	BR S	12	("3677875" "4722130" "4946716" "5071792" "5185292" "5223734" "5234535" "5476566" "5480842" "5494549" "5824595" "5888883").PN.	USPAT	2001/04/05 19:51			0
47	IS & R	10	((("19960903") or ("5552345") or ("19921110") or ("5162251") or ("19990720") or ("5925924") or ("19970128") or ("5597767") or ("19990216") or ("5872046") or ("19920114") or ("5081063") or ("19960618") or ("5527744") or ("19880202") or ("4722130") or ("19930209") or ("5185292") or ("20001219") or ("6162703")).PN.	USPAT	2001/04/09 14:56			0
48	IS & R	1	("5205473").PN.	USPAT	2001/04/11 20:40			0
49	IS & R	1	("6120352").PN.	USPAT	2001/04/12 14:03			0
50	IS & R	9	((("4722130") or ("5081063") or ("5162251") or ("5185292") or ("5527744") or ("5552345") or ("5597767") or ("5872046") or ("5925924")).PN.	USPAT	2001/04/13 15:18			0
51	IS & R	2	((("5071792") or ("3556075")).PN.	USPAT	2001/04/13 16:01			0
52	IS & R	2	((("5605489") or ("5268065")).PN.	USPAT	2001/04/13 17:00			0
53	BR S	34 20 7	lap or lapping or lapped or lapper	USPAT	2001/04/13 17:01			0
54	BR S	79 87 3	polish\$	USPAT	2001/04/13 17:01			0
55	BR S	66 7	handle adj (tape or wafer or substrate)	USPAT	2001/04/13 17:02			0
56	BR S	55 80 65	tape or film	USPAT	2001/04/13 17:02			0
57	BR S	27 00 35	adhesive	USPAT	2001/04/13 17:05			0
58	BR S	53 93	(lap or lapping or lapped or lapper) and polish\$	USPAT	2001/04/13 17:05			0
59	BR S	53	((lap or lapping or lapped or lapper) and polish\$) and (handle adj (tape or wafer or substrate))	USPAT	2001/04/13 17:06			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m e n t s	Er r o r D e f i n i t i o n	Er r o r s
60	BR S	25 83 64 4	@ad<19971111 @rlad<19971111	USPAT	2001/04/13 17:07			0
61	BR S	49	((lap or lapping or lapped or lapper) and polish\$) and (handle adj (tape or wafer or substrate))) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/13 17:08			0
62	BR S	78 32 4	wafer	USPAT	2001/04/13 17:08			0
63	BR S	48	((lap or lapping or lapped or lapper) and polish\$) and (handle adj (tape or wafer or substrate))) and (@ad<19971111 @rlad<19971111)) and wafer	USPAT	2001/04/13 17:12			0
64	BR S	49 58 8	adhesive near3 (tape or film)	USPAT	2001/04/13 17:13			0
65	BR S	29 9	(adhesive near3 (tape or film)) and ((lap or lapping or lapped or lapper) and polish\$)	USPAT	2001/04/13 17:13			0
66	BR S	27 9	((adhesive near3 (tape or film)) and ((lap or lapping or lapped or lapper) and polish\$)) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/13 17:13			0
67	BR S	29 99 2	adhesive adj (tape or film)	USPAT	2001/04/13 17:14			0
68	BR S	18 7	(adhesive adj (tape or film)) and ((lap or lapping or lapped or lapper) and polish\$)	USPAT	2001/04/13 17:14			0
69	BR S	17 3	((adhesive adj (tape or film)) and ((lap or lapping or lapped or lapper) and polish\$)) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/13 17:17			0
70	BR S	42	((adhesive adj (tape or film)) and ((lap or lapping or lapped or lapper) and polish\$)) and (@ad<19971111 @rlad<19971111)) and wafer	USPAT	2001/04/17 15:42			0
71	IS & R	1	("5527724").PN.	USPAT	2001/04/17 16:50			0
72	IS & R	1	("5527744").PN.	USPAT	2001/04/17 18:08			0
73	IS & R	1	("5597767").PN.	USPAT	2001/04/17 18:16			0
74	BR S	2	pfr1x710	USPAT	2001/04/17 18:52			0
75	BR S	2	pfrix710	USPAT	2001/04/17 18:52			0
76	BR S	2	PFRIX300	USPAT	2001/04/17 19:14			0
77	BR S	53	shipley adj "1813"	USPAT	2001/04/17 19:15			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m en ts	Er ror De fin iti on	Er ror s
78	BR S	43 45 7	polyimide	USPAT	2001/04/17 19:15			0
79	BR S	10	(shipley adj "1813") and polyimide	USPAT	2001/04/17 19:19			0
80	BR S	45 7	polyimide near photoresist	USPAT	2001/04/17 19:20			0
81	BR S	86 08 1	scrib? dice diced dicing saw street	USPAT	2001/04/17 19:21			0
82	BR S	78 58 0	wafer	USPAT	2001/04/17 19:21			0
83	BR S	39	(polyimide near photoresist) and (scrib? dice diced dicing saw street) and wafer	USPAT	2001/04/17 19:21			0
84	BR S	38	((polyimide near photoresist) and (scrib? dice diced dicing saw street) and wafer) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/17 19:41			0
85	BR S	5	polyimide near5 (scrib? dice diced dicing saw street) near5 protect\$	USPAT	2001/04/17 19:49			0
86	BR S	3	("3699644" "4720317" "5393706").PN.	USPAT	2001/04/17 19:47			0
87	BR S	21	AZ-1350H	USPAT	2001/04/17 20:06			0
88	BR S	4	5516728.URPN.	USPAT	2001/04/17 19:49			0
89	BR S	12 07	polyimide near5 protect\$	USPAT	2001/04/17 20:07			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m e n t s	Er r o r D e f i n i t i o n	Er r o r s
90	BR S	13 66 64	scrib\$ street dices diced dicing saw\$	USPAT	2001/04/17 20:07		Tr u n c a t i o n O v e r f l o w . R e t u r n s t r i n g f r o m S e r v e r i s: 5 0 0 S C R	1
91	BR S	31	(polyimide near5 protect\$) same (scrib\$ street dices diced dicing saw\$)	USPAT	2001/04/17 20:07			0
92	BR S	29	((polyimide near5 protect\$) same (scrib\$ street dices diced dicing saw\$)) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/17 20:08			0
93	BR S	29	(((polyimide near5 protect\$) same (scrib\$ street dices diced dicing saw\$)) and (@ad<19971111 @rlad<19971111)) not (((polyimide near photoresist) and (scrib? dice diced dicing saw street) and wafer) and (@ad<19971111 @rlad<19971111))	USPAT	2001/04/17 20:29			0
94	IS & R	1	("5185292").PN.	USPAT	2001/04/17 21:05			0
95	BR S	13 46	pin adj block	USPAT	2001/04/17 21:05			0
96	BR S	38 48 55	dissolv\$	USPAT	2001/04/17 21:06			0
97	BR S	8	(pin adj block) same dissolv\$	USPAT	2001/04/18 15:46			0
98	BR S	46 21	pin adj (mount support)	USPAT	2001/04/18 15:47			0
99	BR S	38 48 55	dissolv\$	USPAT	2001/04/18 15:48			0

	Ty pe	Hi ts	Search Text	DBs	Time Stamp	Co m m en ts	Er ror De fin iti on	Er ror s
100	BR S	5	(pin adj (mount support)) same dissolv\$	USPAT	2001/04/18 15:48			0
101	BR S	5	anisotropic adj conductive adj epoxy	USPAT	2001/04/18 15:53			0
102	BR S	35 02	conductive adj epoxy	USPAT	2001/04/18 15:54			0
103	BR S	77 3	underfill	USPAT	2001/04/18 15:54			0
104	BR S	2	(conductive adj epoxy) near5 underfill	USPAT	2001/04/18 15:57			0
105	BR S	13 80	underfil\$	USPAT	2001/04/18 15:57			0
106	BR S	34	(conductive adj epoxy) same underfil\$	USPAT	2001/04/18 15:57			0
107	BR S	25 84 46 4	@ad<19971111 @rlad<19971111	USPAT	2001/04/18 15:59			0
108	BR S	24	((conductive adj epoxy) same underfil\$) and (@ad<19971111 @rlad<19971111)	USPAT	2001/04/18 19:47			0